

## **Amendments to the Specification:**

Please replace Table I beginning at page 16, with the following rewritten

Table I:

**Table 1.**

Sample	APCE activity <sup>a</sup>	$\alpha_2\text{AP}_{\text{act}}/\alpha_2\text{AP}_{\text{pro}}$ ratio <sup>b</sup>	N-terminal sequence(s) of $\alpha_2\text{AP}$					SEQ ID NO.
			1	5	10	15	20	
Human	606	2.70	MEPLG	RQLTS	GPNQE	QVSP L		<u>12</u>
			NQEQV	S PLT L	LKLGN	QEPGG		<u>13</u>
Chimpanzee	653	2.31	MEPLG	RQLTS	GPNQE	QVSP		<u>14</u>
			NQEQV	S PLT L	LKLGN	QEPG		<u>15</u>
Baboon	601	0.25	MEPLG	WQLTS	GPNQE	RVP PL		<u>16</u>
			NQERV	P PLT L	LKLGN	QEPGG		<u>17</u>
Bovine	560	Single form	F SPVS	TMEPL	DLQLM	DGQAQ <sup>c</sup>		<u>18</u>
Murine	662	Single form	VDLPG	QQPVS	EQAQQ	K LPL P <sup>c</sup>		<u>19</u>
Ostrich	652	Single form	LQVDY	L VLEV	A <sup>c</sup>			<u>20</u>

**Table 1.** Comparison of APCE activity,  $\alpha_2\text{AP}_{\text{act}}/\alpha_2\text{AP}_{\text{pro}}$  ratio, and  $\alpha_2\text{AP}$  N-terminal sequence in human plasma with those in animal plasma. <sup>a</sup> RK(DABCYL)-TSGPNQEQE(EDANS)R substrate (SEQ ID NO:9) (100  $\mu\text{M}$ , 10  $\mu\text{l}$ ) was added to 40 ml of plasma diluted with 150  $\mu\text{l}$  of 50 mM Tris-150 mM NaCl-1mM EDTA, pH 7.5, and incubated at 22° C. The increase of fluorescence intensity was monitored with time at excitation and emission wavelengths of 360 and 460 nm, using a BIO-TEK FL600 fluorescence plate reader. APCE activity was obtained by linear regression analyses of early time points and reported as fluorescence intensity/hour. Plasma samples were prepared from citrated blood of 5 humans, 6 chimpanzees, 5 baboons, 10 cows, 6 mice, or 2 ostriches. <sup>b</sup> N-terminal sequence analysis of  $\alpha_2\text{AP}$  purified from pooled human, chimpanzee and baboon plasma revealed two sequences. One sequence began with Met ( $\alpha_2\text{AP}_{\text{pro}}$ ); the second sequence started with Asn ( $\alpha_2\text{AP}_{\text{act}}$ ). The ratio of  $\alpha_2\text{AP}_{\text{act}}/\alpha_2\text{AP}_{\text{pro}}$  was expressed as (pmol of Asn)/(pmol of Met). <sup>c</sup> Only a single N-terminal sequence was reported for purified  $\alpha_2\text{AP}$  from bovine, murine and ostrich plasma (23-25).

**Amendments to the Sequence Listing:**

Please replace the Sequence Listing with the attached rewritten Sequence Listing. The new Sequence Listing includes sequences SEQ ID NO:12-20, which were originally included in Table I but which had not been given specific sequence identification numbers. Not new matter has been added.

Attachments:   Sequence Listing  
                  Statement That Content of the Paper and Computer  
                  Readable Copy are the Same and Contain No New Matter  
                  3 ½ inch Diskette